

[Sign in](#)
[Web](#)
[Images](#)
[Groups](#)
[News](#)
[Froogle](#)
[Maps](#)
[more »](#)

LSI + EMI + simulation

Search

[Advanced Search](#)  
[Preferences](#)
**Web**Results 1 - 10 of about 41,700 for LSI + EMI + simulation. (0.35 seconds)**LEMINGS: LSI's EMI-Noise Analysis with Gate Level Simulator**

EMI (electromagnetic interference) noise has become more significant problems in high-speed electronic systems. To analyze the EMI problems, LSIs should be ...  
 csdl.computer.org/comp/proceedings/isqed/2000/0525/00/05250129abs.htm -  
[Similar pages](#)

**[PDF] LEMINGS: LSI's EMI-Noise Analysis with Gate Level Simulator**

File Format: PDF/Adobe Acrobat

LEMINGS: LSI's EMI-Noise Analysis with Gate Level Simulator. Kenji Shimazaki, Hiroyuki Tsujikawa, Seijiro Kojima, and Shouzou Hirano. Development Group4, ...  
 doi.ieeecomputersociety.org/10.1109/ISQED.2000.838865 - [Similar pages](#)

**[PDF] An EMI-Noise Analysis on LSI Design with Impedance Estimation**

File Format: PDF/Adobe Acrobat

noise of LSI. The analysis of the supply current leads to the analysis of the EMI noise. A transistor-level power simulation is applied to the ...  
 doi.ieeecomputersociety.org/10.1109/ISQED.2002.996724 - [Similar pages](#)

**[PDF] ApsimLPG ApsimLPG**File Format: PDF/Adobe Acrobat - [View as HTML](#)

for SSO and EMI simulation. The LSI IC model considers imperfect power and ground planes which may have many via holes and slits. Apsim applies the ...  
 www.apsimtech.com/Datasheets/Apsim\_LPG.pdf - [Similar pages](#)

**Applied Simulation Technology**

Once an accurate LSI macro model is obtained by the computer program, it can be applied for SSO and EMI simulation. The LSI IC model considers imperfect ...  
 www.apsimtech.com/products/LPG.htm - 8k - [Cached](#) - [Similar pages](#)  
[\[ More results from www.apsimtech.com \]](#)

**[PDF] IBIS Power/Ground Modeling of LSI IBIS Power/Ground Modeling of ...**File Format: PDF/Adobe Acrobat - [View as HTML](#)

Applied Simulation Technology, Inc. IBIS Power/Ground Modeling of LSI ... for EMI Simulation. for EMI Simulation. 3. Modeling of High ...  
 www.eda.org/pub/ibis/summits/jan05/matsui.pdf - [Similar pages](#)

**[PDF] Case study of IBIS V4.1 Case study of IBIS V4.1 by JEITA EDA ...**File Format: PDF/Adobe Acrobat - [View as HTML](#)

Simulation Model; EMI Model for LSI. LSI Model for EMI Simulation ... EMI Simulation Model for LSI. EMI Simulation Model for LSI. IBIS 4.1 ...  
 www.eda.org/pub/ibis/summits/jun04/itoi.pdf - [Similar pages](#)

**[PDF] Power current model of LSI and parameter identification for EMI ...**

File Format: PDF/Adobe Acrobat

Current Model of LSI and Parameter Identification. for EMI. Simulation. of. Digital. PCBs. Yukihiro. Fukumoto\*, Takuya Matsuishi, Tomohiro Kinoshita, ...  
 ieeeexplore.ieee.org/iel5/7550/20565/00950598.pdf?isnumber=20565&arnumber=950598 -  
[Similar pages](#)



EMC + electromagnetic + FFT + (simulation OR modeling)

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)[Scholar Help](#)

**Scholar** Results 1 - 10 of about 843 for EMC + electromagnetic + FFT + (simulation OR modeling). (0.10 s)

[book] Field Computation by Moment Methods

[All articles](#) [Recent articles](#)

RF Harrington - 1982 - Krieger Publishing Co., Inc. Melbourne, FL, USA

[Cited by 1801](#) - [Web Search](#) - [Library Search](#)

EMC and BEM engineering education: physics-based **modeling**, hands-on training, and challenges - group of 2 »

L Sevgi - Antennas and Propagation Magazine, IEEE, 2004 - [ieeexplore.ieee.org](#)

... **modeling**, and **simulation** are presented. Finally, some suggestions and a short-course outline are given for modern EMC-BEM education. Keywords: **Electromagnetic** ...

[Cited by 4](#) - [Web Search](#)

... measuring the **electromagnetic** shielding effectiveness of materials. I. Far-field source **simulation** - group of 2 »

PF Wilson, MT Ma, JW Adams - **Electromagnetic Compatibility**, IEEE Transactions on, 1988 -

[ieeexplore.ieee.org](#)

... 30, NO. 3, AUGUST 1988 239 Techniques for Measuring the **Electromagnetic** Shielding Effectiveness of Materials: Part I: -Far-Field Source **Simulation** ...

[Cited by 17](#) - [Web Search](#)

Review of FD-TD numerical **modeling** of **electromagnetic** wavescattering and radar cross section - group of 3 »

A Taflov, KR Umashankar - Proceedings of the IEEE, 1989 - [ieeexplore.ieee.org](#)

... Yet FD-TD is a nontraditional approach to numerical **electromagnetic modeling**, where frequency-domain approaches have dominated. ...

[Cited by 40](#) - [Web Search](#)

Computer-aided nonlinear **simulation** at the system level - group of 2 »

SL Loyka, VI Mordachev - **Electromagnetic Interference and Compatibility'97**, ..., 1997 - [ieeexplore.ieee.org](#)

... of the International Conference on **Electromagnetic** interference and ... nonlinear effects with respect to EMC problems [121 ... When the inverse FFT is calculated at ...

[Cited by 11](#) - [Web Search](#)

Simulating **electromagnetic** radiation of printed circuit boards

H Heeb, A Ruehli, J Janak, S Daijavadi - Computer-Aided Design, 1990. ICCAD-90. Digest of Technical ..., 1990 - [ieeexplore.ieee.org](#)

... is measured in an EMC (**ElectroMagnetic** Compatibility) chambers ... 393 domain with conventional circuit **simulation** using a ... the Fast Fourier Transform (FFT) of all ...

[Cited by 3](#) - [Web Search](#)

... of **electromagnetic** environment on operation of active array antennas: analysis and **simulation** ... - group of 3 »

SL Loyka - Antennas and Propagation Magazine, IEEE, 1999 - [ieeexplore.ieee.org](#)

... **Modeling** and **simulation** techniques that can be applied to active array ... **Electromagnetic**-level and circuit-level **simulation** techniques are briefly discussed. ...

[Cited by 11](#) - [Web Search](#) - [BL Direct](#)

EMC analysis of planar structures using static solvers

R Raghuram, N Matsui, AS Technol, CA San Jose - **Electromagnetic Compatibility**, 1998. 1998 IEEE



EMI + electromagnetic + FFT + (simulation OR modeling)

Search

[Advanced Scholar Search](#)[Scholar Preferences](#)[Scholar Help](#)

**Scholar** Results 1 - 10 of about 573 for EMI + electromagnetic + FFT + (simulation OR modeling). (0.08 se

[book] Field Computation by Moment Methods

[All articles](#) [Recent articles](#)

RF Harrington - 1982 - Krieger Publishing Co., Inc. Melbourne, FL, USA

Cited by 1801 - [Web Search](#) - [Library Search](#)

Ultra-fast broadband EMI measurement in time-domain using FFT and periodogram - group of 3 »

F Krug, P Russer - *Electromagnetic Compatibility, 2002 IEEE International ...*, 2002 - [ieeexplore.ieee.org](#)

... 10 obtain Fast-Fourier Transform (FFT) as well as ... and currently, radio noise and **electromagnetic interference (EMI ...** Figure 4. Time-domain EMI signal CALCULATION ...

Cited by 10 - [Web Search](#)

Modeling-based examination of conducted EMI emissions from hard and soft-switching PWM inverters - group of 2 »

H Zhu, JS Lai, AR Hefner Jr, Y Tang, C Chen - *Industry Applications, IEEE Transactions on*, 2001 - [ieeexplore.ieee.org](#)

... took limited sampling data and performed FFT for only ... et al., "Analysis of conducted EMI emissions from ... of PWM inverters for **electromagnetic compatibility** per ...

Cited by 13 - [Web Search](#) - [BL Direct](#)

Electromagnetic-wave visualization for EMI using a new holographic method - group of 3 »

H Kitayoshi, K Sawaya - *Electronics & Communications in Japan, Part I: ...*, 1999 - [doi.wiley.com](#)

... Key words: **Electromagnetic** holography; EMC/EMI measurement; resolution; visualization range; partitioned FFT. 1. Introduction ...

Cited by 6 - [Web Search](#) - [BL Direct](#)

EMI-noise analysis under ASIC design environment - group of 3 »

S Hayashi, M Yamada - *Computer-Aided Design of Integrated Circuits and Systems, ...*, 2000 - [ieeexplore.ieee.org](#)

... connectors and cables, and **electromagnetic** radiation occurs ... Switching Current Waveform: Since EMI-noise analysis ... ports obtained by HSPICE simulation and FFT. ...

Cited by 13 - [Web Search](#) - [BL Direct](#)

Nonlinear EMI simulation of an AM detector at the system level - group of 4 »

SL Loyka - *Electromagnetic Compatibility, IEEE Transactions on*, 2000 - [ieeexplore.ieee.org](#)

... analysis is, for instance, a very important part of EMC/EMI modeling of a ... IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, VOL. ... S = FFT (u); u = IFFT (S): (3 ...

Cited by 5 - [Web Search](#) - [BL Direct](#)

Analysis of conducted EMI emissions from PWM inverter based on empirical models and comparative ...

H Zhu, JS Lai, AR Hefner Jr, Y Tang, C Chen - *Power Electronics Specialists Conference, 1999. PESC 99. ...*, 1999 - [ieeexplore.ieee.org](#)

... become increasingly important, as the **electromagnetic** compatibility (EMC ... and propagation mechanism of EMI, the setup ... sampling data and performs FFT only for one ...

Cited by 16 - [Web Search](#)

Three-phase inverter differential mode EMI modeling and prediction in frequency domain

X Huang, E Pepa, JS Lai, S Chen, TW Nehl - *Industry Applications Conference, 2003. 38th IAS Annual ...*, 2003 -


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide



THE ACM DIGITAL LIBRARY


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used **EMI FFT simulation modeling**

Found 16 of 177,263

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)
[Try this search in The ACM Guide](#)

Display results


[Search Tips](#)
☐ Open results in a new window

Results 1 - 16 of 16

 Relevance scale ☐ ☐ ☐ ☐ ☐

# 1 [EMI-noise analysis under ASIC design environment](#)



Sachio Hayashi, Masaaki Yamada

 April 1999 **Proceedings of the 1999 international symposium on Physical design**

Publisher: ACM Press

 Full text available: pdf(912.47 KB) Additional Information: [full citation](#), [references](#), [index terms](#)


# 2 [Simulating 3-D retarded interconnect models using complex frequency hopping \(CFH\)](#)

Eli Chiprout, Hansruedi Heeb, Michel S. Nakhla, Alber E. Ruehli

 November 1993 **Proceedings of the 1993 IEEE/ACM international conference on Computer-aided design**

Publisher: IEEE Computer Society Press

 Full text available: pdf(665.42 KB) Additional Information: [full citation](#), [references](#), [citations](#)


# 3 [Passive model order reduction: Model order reduction for strictly passive and causal distributed systems](#)



Luca Daniel, Joel Phillips

 June 2002 **Proceedings of the 39th conference on Design automation**

Publisher: ACM Press

 Full text available: pdf(175.64 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This paper presents a class of algorithms suitable for model reduction of distributed systems. Distributed systems are not suitable for treatment by standard model-reduction algorithms such as PRIMA, PVL, and the Arnoldi schemes because they generate matrices that are dependent on frequency (or other parameters) and cannot be put in a lumped or state-space form. Our algorithms build on well-known projection-based reduction techniques, and so require only matrix-vector product operations and are ...

**Keywords:** distributed systems, passive reduced order modeling

# 4 [Prediction of radiated electromagnetic emissions from PCB traces based on green dyadics](#)




[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

Search Results

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)

Results for "((emi and fft and (simulation or modeling))&lt;in&gt;metadata)"

☒ e-mail

Your search matched 10 of 1351415 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by **Relevance** in **Descending** order.

» Search Options

[View Session History](#)[New Search](#)

Modify Search

((emi and fft and (simulation or modeling))&lt;in&gt;metadata)

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

» Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

[Select All](#) [Deselect All](#)

- ☐ **1. Modeling and characterization of a 1 KW CCM PFC converter for conduct prediction**  
Liyu Yang; Bing Lu; Wei Dong; Zhiguo Lu; Ming Xu; Lee, F.C.; Odendaal, W.G  
[Applied Power Electronics Conference and Exposition, 2004. APEC '04. Ninete IEEE](#)  
Volume 2, 2004 Page(s):763 - 769 vol.2  
Digital Object Identifier 10.1109/APEC.2004.1295909  
[AbstractPlus](#) | Full Text: [PDF](#)(2316 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ **2. EMI noise controlling methods suitable for electric vehicle drive systems**  
Mutoh, N.; Nakanishi, M.; Kanesaki, M.; Nakashima, J.;  
[Industrial Electronics Society, 2004. IECON 2004. 30th Annual Conference of I](#)  
Volume 1, 2-6 Nov. 2004 Page(s):963 - 968 Vol. 1  
Digital Object Identifier 10.1109/IECON.2004.1433446  
[AbstractPlus](#) | Full Text: [PDF](#)(2138 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ **3. LEMINGS: LSI's EMI-noise analysis with gate level simulator**  
Shimazaki, K.; Tsujikawa, H.; Kojima, S.; Hirano, S.;  
[Quality Electronic Design, 2000. ISQED 2000. Proceedings. IEEE 2000 First Ir](#)  
[Symposium on](#)  
20-22 March 2000 Page(s):129 - 136  
Digital Object Identifier 10.1109/ISQED.2000.838865  
[AbstractPlus](#) | Full Text: [PDF](#)(124 KB) IEEE CNF  
[Rights and Permissions](#)
- ☐ **4. EMI noise control methods suitable for electric vehicle drive systems**  
Mutoh, N.; Nakanishi, M.; Kanesaki, M.; Nakashima, J.;  
[Electromagnetic Compatibility, IEEE Transactions on](#)  
Volume 47, Issue 4, Nov. 2005 Page(s):930 - 937  
Digital Object Identifier 10.1109/TEMC.2005.857893  
[AbstractPlus](#) | Full Text: [PDF](#)(448 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ **5. A novel Realtime Time-domain EMI Measurement System based on Field Gate Arrays**  
Braun, S.; Al-Qedra, M.; Russer, P.;



EMC + electromagnetic + FFT

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)

Scholar

Results 1 - 10 of about 1,170 for EMC + electromagnetic + FFT. (0.14 seconds)

[BOOK] Electromagnetic Shielding Handbook for Wired and Wireless Emc Applications [All articles](#) [Recent articles](#)

AB Saliovich, A Tsaliovich - 1999 - books.google.com

... The latest surge of interest in shielding is generated by the needs to assure **electromagnetic compatibility (EMC)** of computer, telecommunica- tions, and cable ...

Cited by 8 - [Web Search](#) - [BL Direct](#)

Ultra-fast broadband EMI measurement in time-domain using FFT and periodogram - group of 3 »

F Krug, P Russer - **Electromagnetic Compatibility**, 2002 IEEE International ..., 2002 - [ieeexplore.ieee.org](#)

... a computer in order 10 ob- tain Past-Fourier Transform (FFT) as well ... INTRODUCTION

In the past and currently, radio noise and **electromagnetic** interference (EMI) ...

Cited by 10 - [Web Search](#)

WAVES: The radio and plasma wave investigation on the wind spacecraft - group of 3 »

JLE Bougeret, MLE Kaiser, PJE Kellogg, RE Manning, ... - Space Science Reviews, 1995 - Springer

... et al., 1985; Canu, 1990) and other types of electrostatic or **electromagnetic** waves ...

The WAVES FFT receiver will allow measurement of the com- plete spectrum of ...

Cited by 119 - [Web Search](#)

The time-domain **electromagnetic** interference measurement system - group of 5 »

F Krug, P Russer - **Electromagnetic Compatibility**, IEEE Transactions on, 2003 - [ieeexplore.ieee.org](#)

... EMI), fast Fourier transform (FFT), measurement, spectral ... to achieve and to improve

**electromagnetic** compatibility is a ... EMC and EMI measurement equipment which ...

Cited by 9 - [Web Search](#) - [BL Direct](#)

Simulating **electromagnetic** radiation of printed circuit boards

H Heeb, A Ruehl, J Janak, S Daijavad - Computer-Aided Design, 1990. ICCAD-90. Digest of Technical ..., 1990 - [ieeexplore.ieee.org](#)

... from printed circuit boards is measured in an EMC (**ElectroMagnetic** Compatibility)

chambers ... After taking the Fast Fourier Transform (FFT) of all the currents in ...

Cited by 3 - [Web Search](#)

EMC and BEM engineering education: physics-based modeling, hands-on training, and challenges - group of 2 »

L Sevgi - Antennas and Propagation Magazine, IEEE, 2004 - [ieeexplore.ieee.org](#)

... Roughly speaking, EMC (**electromagnetic** compatibility) and BEM (bioelectromagnetic)

engineering deal with device-device and device-human interactions ...

Cited by 4 - [Web Search](#)

Fast algorithm for **electromagnetic** scattering by buried conducting plates of large size - group of 3 »

TJ Cui, WC Chew - Antennas and Propagation, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)

... Abstract— This letter presents a fast algorithm for **electromagnetic** scattering by ...

conjugate gradient (CG) method combined with fast Fourier transform (FFT). ...

Cited by 12 - [Web Search](#) - [BL Direct](#)

A NOVEL TIME-DOMAIN ELECTROMAGNETIC INTEREFENCE (TDEMI) MEASUREMENT